

CLAIMS

~~METHOD OF SEPARATION OF PALLADIUM ISOTOPES IN
ELECTROMAGNETIC SEPARATOR USING A SOURCE OF IONS~~

B 5 ^{A method} ~~Method~~ of palladium isotope separation in
electromagnetic separator with use of a source of ions
including placing of a working substance in a combined with
gas-discharge chamber graphite crucible of the source of
ions, heating of the working substance up to the vapor
10 state, ionization of the vapors of the working substance in
the gas-discharge chamber of the source under action of
electron emission from a hot cathode, forming of an ionic
beam by electrodes of ion-optical system, separation and
focusing ionic beams of isotopes in magnetic field,
15 entrapping the ions by receiving boxes, wherein metal
palladium being used as working substance and temperature
of heating of the crucible and the gas-discharge chamber
being maintained within 1500-1700°C.

add
B1